AMENDMENTS TO THE SEQUENCE LISTING

IN THE SEQUENCE LISTING

Please replace the Sequence Listing of record with the Substitute Sequence Listing enclosed herewith.

Application No. 10/570,159

REMARKS

Enclosed herewith in full compliance with 37 C.F.R. §§1.821-1.825 is a Substitute Sequence

Listing to be inserted into the specification as indicated above. The Substitute Sequence Listing in

no way introduces new matter into the specification. Also submitted herewith in full compliance

with 37 C.F.R. §§1.821-1.825 is a disk copy of the Substitute Sequence Listing. The disk copy of

the Sequence Listing, file "2007-03-24 0152-0725PUS1.ST25.txt", is identical to the paper copy,

except that it lacks formatting.

The specification and abstract are amended to reference each nucleotide sequence with a

corresponding SEQ ID NO. The Sequence Listing is amended to correct formatting errors and to

identify the present application by filing date and serial number. No new matter is introduced by

these amendments.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to

charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees

required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

O Day 74

P.O. Box 74

Falls Church, VA 22040-074

(703) 205-8000

Attachments:

GMM/JMK/psq

0152-0725PUS1

Disk and Paper Copy of Sequence Listing

Copy of Notice to Comply

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